Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/27/2021 09:11 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/05/2021 10:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124954	-1	1.64	124878	1.71
Blue	F	SSC	125000	124308	-1	3.65	124575	3.61
Blue	E	FITC	14400	13923	-4	2.49	320	14.50
Blue	D	PE	24713	24548	-1	1.92	563	10.48
Blue	B	PerCP-Cy5-5	31796	31418	-2	3.39	1044	14.14
Blue	A	PE-Cy7	21240	21443	0	5.40	575	28.62
Red	C	APC	41319	41029	-1	3.06	1720	11.16
Red	A	APC-Cy7	21019	20534	-3	3.36	770	11.30
Violet	B	V450	7305	6995	-5	3.81	440	12.33
Violet	A	V500	28652	27763	-4	3.36	700	9.90

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23029	1.74	561	-8	N/A	N/A	Pass
Blue	F	SSC	58045	1.85	515	3	N/A	N/A	Pass
Blue	E	FITC	58	54.24	488	-3	0.0548	176	Pass
Blue	D	PE	119	35.30	487	0	0.4364	293	Pass
Blue	B	PerCP-Cy5-5	194	34.63	583	-1	0.0214	69	Pass
Blue	A	PE-Cy7	116	63.28	630	0	0.0222	0	Pass
Red	C	APC	399	22.71	574	1	0.0290	112	Pass
Red	A	APC-Cy7	172	26.77	543	-2	0.0068	1141	Pass
Violet	B	V450	62	60.76	456	0	0.0598	2189	Pass
Violet	A	V500	100	37.44	470	0	0.0282	1543	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.61	-31.41	1.02
Blue	20.35	16.27 - 24.41	1.29	0.99 - 1.49	0.00	0.00	1.42
Red	20.35	15.99 - 23.99	N/A	N/A	29.96	30.05	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 9958

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments